

Amendment dated January 3, 2006
Reply to Non-Final Official Action Dated July 1, 2005
Atty. Docket No. 003955.00068

Listing of Claims:

Claim 1. (Cancelled)

Claim 2. (Previously presented) A card according to claim [1] 24, wherein the radio frequency modulation circuitry comprises a frequency synthesizer generating the radio frequency signals.

Claim 3. (Original) A card according to claim 2, wherein the frequency generated by the frequency synthesizer is set by a controller on the circuit board.

Claim 4. (Original) A card according to claim 2, wherein the frequency generated by the frequency synthesizer is set by conveying instructions via the computer bus.

Claim 5. (Cancelled)

Claim 6. (Cancelled)

Claim 7. (Previously presented) A card according to claim [1] 24, wherein the modulation circuitry modulates the transmitted signals according to a predefined protocol in accordance with a command conveyed to the card via the industry-standard bus.

Claim 8. (Previously presented) A card according to claim [1] 24, wherein the modulation circuitry comprises an encoder which encoded error correction into the transmitted signals according to a predefined protocol in accordance with a command conveyed to the card via the industry-standard bus.

Claim 9. (Previously presented) A card according to claim [1] 24, and comprising an auxiliary connector through which the card is connected to at least one other card located within the computer, such that signals pass between the cards without passing through the industry-standard bus.

Amendment dated January 3, 2006
Reply to Non-Final Official Action Dated July 1, 2005
Atty. Docket No. 003955.00068

Claim 10. (Cancelled)

Claim 11. (Cancelled)

Claim 12. (Cancelled)

Claim 13. (Cancelled)

Claim 14. (Cancelled)

Claim 15. (Cancelled)

Claim 16. (Cancelled)

Claim 17. (Cancelled)

Claim 18. (Cancelled)

Claim 19. (Cancelled)

Claim 20. (Cancelled)

Claim 21. (Cancelled)

Claim 22. (Cancelled)

Claim 23. (Cancelled)

Claim 24. (Previously presented) A card for communicating to and from a personal computer through a very small aperture terminal (VSAT), comprising:

(a) a circuit board which plugs into the personal computer and which is coupled to exchange data via an industry-standard bus in the personal computer; and

(b) radio frequency modulation circuitry on the circuit board, which receives the data and transmits radio frequency signals responsive thereto,

(c) a connector, through which a DC source external to the card powers the VSAT, wherein the card is connected to said VSAT, said VSAT comprising an upconverter and a power amplifier for transmitting data to an earth-orbiting satellite from said card.

Amendment dated January 3, 2006
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Atty. Docket No. 003955.00068

Claim 25. (Previously presented) A transceiver for communicating to and from a personal computer through a very small aperture terminal (VSAT), comprising:

(a) a transmitter card which plugs into said personal computer and which is coupled to exchange data via an industry-standard bus in said personal computer, said transmitter card transmitting data from said personal computer to an earth-orbiting satellite via said VSAT;

(b) a receiver card which plugs into said personal computer and is coupled to exchange data via said industry-standard bus, said receiver card receiving signals from said VSAT and converting the received signals to data for transfer via said industry-standard bus; and

(c) an auxiliary bus connecting the transmitter card to the receiver card,

wherein said VSAT comprises an upconverter and a power amplifier and transmits RF signals received from said circuit board.

Claim 26. (Previously presented) A card for communicating to and from a personal computer through a very small aperture terminal (VSAT), comprising:

(a) a circuit board which plugs into the personal computer and which is coupled to exchange data via an industry-standard bus in the personal computer; and

(b) radio frequency modulation circuitry on the circuit board, which receives the data from an earth-orbiting satellite received by said VSAT and transmits radio frequency signals to said an earth-orbiting satellite via an upconverter and power amplifier in said VSAT.

Claim 27. (Previously presented) A card according to claim 26, wherein the radio frequency modulation circuitry comprises a frequency synthesizer generating the radio frequency signals.

Amendment dated January 3, 2006
Reply to Non-Final Official Action Dated July 1, 2005
Atty. Docket No. 003955.00068

Claim 28. (Previously presented) A card according to claim 27, wherein the frequency generated by the frequency synthesizer is set by a controller on the circuit board.

Claim 29. (Previously presented) A card according to claim 27, wherein the frequency generated by the frequency synthesizer is set by conveying instructions via the industry-standard bus.

Claim 30. (New) A method comprising powering an upconverter and a power amplifier in a two-way satellite system using a power supply in a personal computer coupled to the two-way satellite system through a connector.